

Japanese Utility Model Application

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To the Commissioner of the Patent Office Yoshio Kawahara

1. Title of the invention: Apparatus of extending saddle post for monocycle

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5. List of attached document

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2. Drawing 1

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4. Copy of Application 1

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Description

1. Title of the Invention

Apparatus of extending saddle post for monocycle

2. Claim

An apparatus of extending a saddle for a monocycle characterized in that a diameter of a lower end thereof is contracted to an outer diameter the same as an outer diameter of a portion of a saddle post for fitting and inserting a lower end thereof, an upper portion thereof excluding a portion of being fitted and inserted to a folk stem is formed into an inner diameter capable of fitting and inserting the saddle post into a pipe thereof to contain, the extended post arranged with a seat lug provided with a vertical split groove on an outer side of an upper end portion thereof and constituting a fastening portion by a seat pin by both sides thereof is provided and the extended post is mounted between the saddle post and the folk stem, and an interval between a saddle and a pedal is adjusted by a large amount.

3. Detailed Description of the Invention

The utility model relates to a monocycle capable of considerably adjusting a height of a saddle.

In a background art, according to a structure of supporting a saddle post of a monocycle, there is adopted a structure the same as that of a saddle post and an erected pipe of a normal bicycle and therefore, a height of adjusting a saddle

is limited to be small and large adjustment thereof cannot be desired.

The utility model has been carried out in view of the above-described drawback.

Explaining the utility model in reference to the drawings showing an example of the embodiment as follows, a wheel 3 is supported between feet 2, 2 of a frame 1, and pedals 5, 5 are axially supported by cranks 4, 4 attached to outer sides of the feet 2, 2 integrally with the wheel 3.

An upper edge of a folk stem 6 constituting an upper end portion of the frame 1 is provided fastenably by a seat lug 8 and a seat pin 9 and provided with a saddle post 7 to be able to be fixedly attached integrally with the frame 1.

Numeral 10 designates an extended post a lower end thereof is formed by an outer diameter capable of being fitted to be inserted into the folk stem 6 of the frame 1, a portion 10a fitted to be inserted into the folk stem 6 is constituted by a length of about $1/3$ of a total length thereof, $2/3$ of the total length of a remaining portion is formed to be bold to be provided to a fitting portion 10b capable of fitting to insert a saddle post 7 at inside of a pipe thereof.

Further, a vertically split groove 11 is provided at an upper end of the extended post 10, both sides thereof are arranged with a seat lug 13 fastened by a seat pin 14 to be able to fit to insert the saddle post to be fixedly attached to the

extended post 10.

An upper end of the saddle post 8 is attached with a saddle 15 for a monocyte.

The utility model is constituted as described and when for children, the saddle post 7 is fitted to be inserted directly into the folk stem 6 to adjust to a proper height and thereafter, the seat pin 9 is fastened and the folk stem 6 and the saddle post are fixed.

Next, when for adult persons, a lower end of the extended post 10 is fitted to be inserted into the folk stem 6, the extended post 10 is fastened to be fixedly attached by the seat lug 8 and the seat pin 9, the saddle post 7 is fitted to be inserted to an upper end of the extended post 10 and is similarly fastened to be fixed by the seat lug and the seat pin 9 to support the saddle 15 at a height adapted to a length below the crotch of the adult person.

As described above, the utility model comprises the extended post, the saddle post and the folk stem having the above-described constitutions and therefore, there is achieved an effect of capable of using the monocyte both for children and for adult persons having a considerably different sitting heights, capable of finely adjusting the monocyte for children and for adult persons and capable of adjusting the monocyte to an optimum height.

4. Brief Description of the Drawings

The drawings show an embodiment of an apparatus of the utility model, Fig.1 is a side view, Fig.2 is an enlarged and partially broken side view, Fig.3 is a similarly partially broken rear view, Fig.4 is a partially sectional plane view taken along a line A-A of Fig.2, and Fig.5 is a vertical sectional view of an extended post.

1...frame, 2...folk foot, 3...wheel, 4...crank, 5...pedal, 7...saddle post, 8...seat lug, 9...seat pin, 10...extended post, 11...vertically split groove, 13...seat lug, 14...seat pin, 15...monocycle saddle

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Fig.1

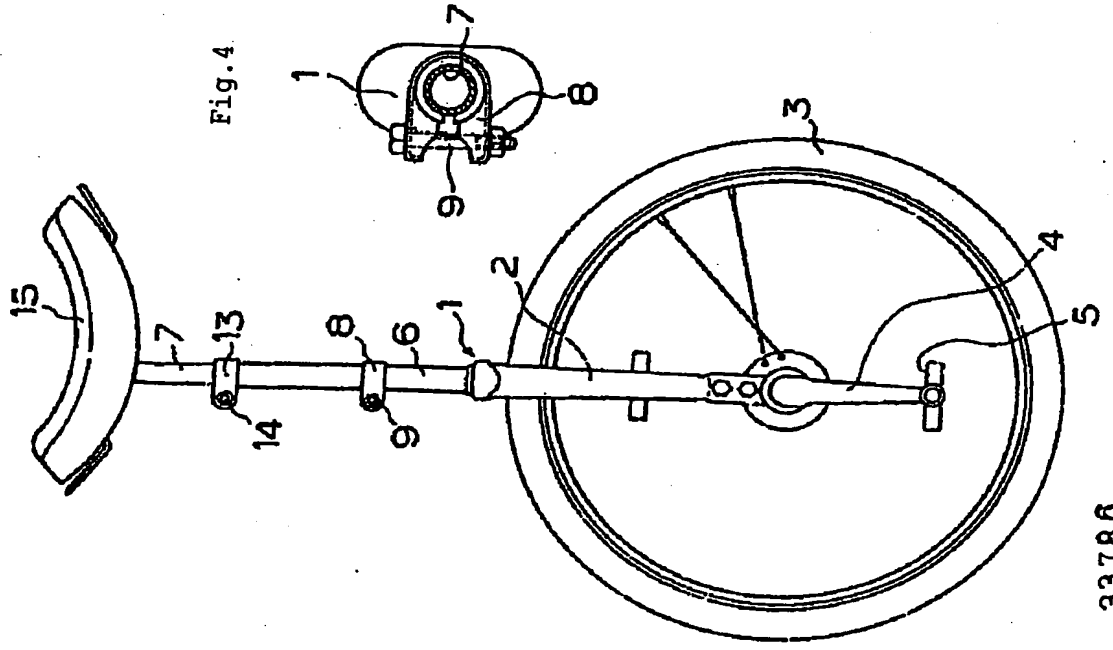


Fig.4

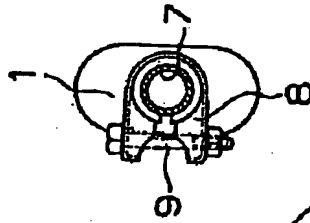


Fig.2

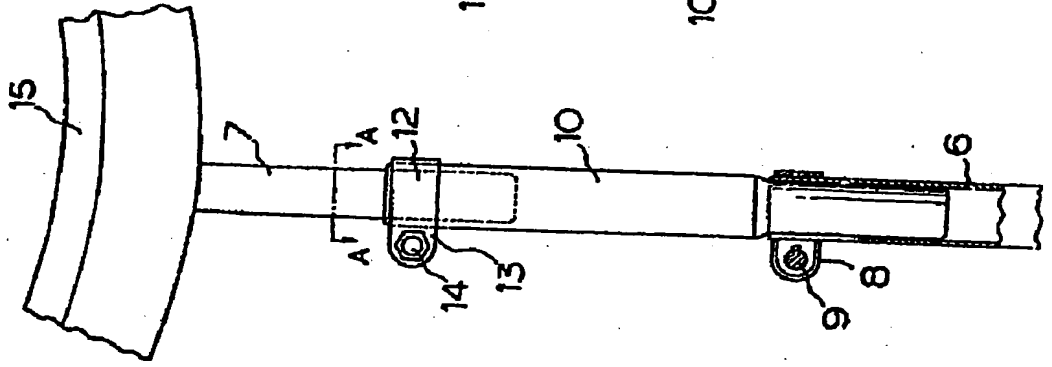


Fig.5

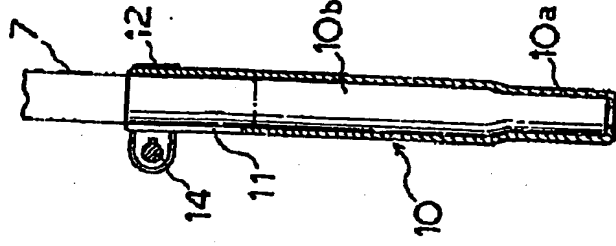
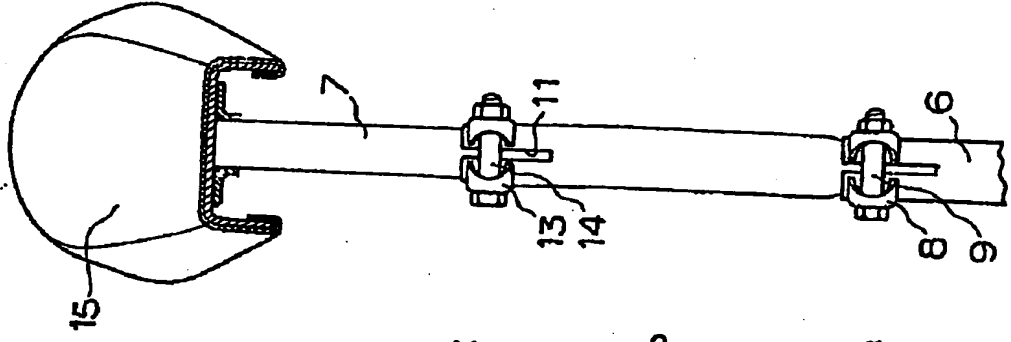


Fig.3



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